

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.-31. (Canceled)

32. (New) A security device comprising at least first and second superposed diffractive or holographic optically variable effect generating structures, at least the first structure having a surface relief microstructure, the second optically variable effect generating structure being viewable through the first.

33. (New) A device according to claim 32, wherein the first optically variable effect generating structure includes a discontinuous metallic layer.

34. (New) A device according to claim 32, wherein the first optical variable effect generating structure includes a reflective layer formed by a high refractive index dielectric material.

35. (New) A security device according to claim 34, wherein the first optically variable effect generating structure comprises a substantially pure grating structure in combination with a high refractive index dielectric layer and the second optically variable effect generating structure comprises one of a classical hologram, a zero-order diffractive device, or a Fresnel structure.

36. (New) A device according to claim 32, wherein the first and second optically variable effect generating structures comprise complementary zero-order diffractive devices.

37. (New) A device according to claim 32, wherein the first and second optically variable effect generating structures generate orthogonal holographic images, typically originated by classical holography.

38. (New) A device according to claim 32, wherein the second structure includes a surface relief microstructure.

39. (New) A device according to claim 38, wherein the second optically variable effect generating structure includes an opaque, reflective layer.

40. (New) A device according to claim 38, wherein the first and second surface relief microstructures have been originated by different processes.

41. (New) A device according to claim 38, wherein the first and second surface relief microstructures have been originated by one of dot matrix interferometry, lithographic interferometry, e-beam lithography and classical rainbow lithography.

42. (New) A device according to claim 32, wherein the first and second optically variable effect generating structures are laminated together.

43. (New) A device according to claim 32, further comprising a carrier layer supporting the first and second optically variable effect generating structures.

44. (New) A device according to claim 43, wherein the carrier layer is secured to the first and second optically variable effect generating structures via a release layer.

45. (New) A device according to claim 32, wherein one or more of the optically variable effect generating structures is formed in a respective lacquer layer.

46. (New) A device according to claim 32, wherein at least one of the optically variable effect generating structures is formed in a polymer material.

47. (New) A device according to claim 32, further comprising an adhesive layer to enable the device to be secured to a substrate.

48. (New) A device according to claim 32, further comprising a dye or pigment providing in or between layer(s) of the optically variable effect generating structures.

49. (New) A device according to claim 32, further comprising one or more additional optically variable effect generating structures provided between the first and second optically variable effect generating structures.

50. (New) A method of manufacturing a security device, the method comprising providing at least first and second superposed diffractive or holographic optically variable effect generating structures, at least the first structure having a surface relief microstructure, whereby the second optically variable effect generating structure is viewable through the first.

51. (New) A method according to claim 50, wherein each optically variable effect generating structure is formed by embossing a corresponding surface relief microstructure into an embossing layer.

52. (New) A method according to claim 51, wherein the embossing layer comprises an embossing lacquer or polymer.

53. (New) A method according to claim 50, wherein the second structure includes a surface relief microstructure.

54. (New) A method according to claim 53, wherein each microstructure is derived from a different origination process.

55. (New) A method according to claim 54, wherein the origination processes are chosen from dot matrix interferometry, lithographic interferometry, e-beam lithography and classical rainbow lithography.

56. (New) A method according to claim 50, further comprising providing the surface relief microstructure of the first optically variable effect generating structure with a partially reflective layer.

57. (New) A method according to claim 56, wherein the partially reflective layer is formed by a high refractive index dielectric material or a discontinuous metallization.

58. (New) A method according to claim 50, wherein the first and second optically variable effect generating structures are fabricated separately and then joined together.

59. (New) A method according to claim 58, wherein the first and second optically variable effect generating structures are laminated together with an intermediate laminating adhesive.

60. (New) A method according to claim 59, wherein the laminating adhesive is UV curable, the securing step including irradiating the laminating adhesive through the first optically variable effect generating structure to activate the adhesive.

61. (New) A method according to claim 50, wherein the first and second optically variable effect generating structures are provided on a carrier.

62. (New) A method according to claim 60, wherein a release layer is provided between the carrier and the first and second optically variable effect generating structures.

63. (New) A document carrying a security device according to claim 32.

64. (New) A document carrying a security device manufactured according to claim 50.

65. (New) A document according to claim 63, the document comprising a document of value such as a banknote.